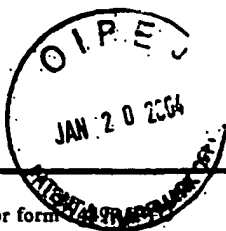


<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete If Known</b>		
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			First Named Inventor	Samuel H. Gellman	
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			Examiner Name		
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AB		ABELE, GUICHARD, & SEEBACH (1998)✓ "(S)-133-homolysine- and (S)-P3-homoserine-containing 13-peptides: CD spectra in aqueous solution," <i>Helv. Chim. Acta</i> 81:2141		
		APPELLA, D. H.; LEPLAE, P. R.; RAGUSE, T. L.; GELIMAN, S. H. (2000) " (R,R,R)-2,5-Diaminocyclohexanecarboxylic Acid, a Building Block for Water-Soluble, Helix-Forming $\beta$ -Peptides," <i>J. Org. Chem.</i> 65: 4766-4769		✓
		APPELLA, CHRISTIANSON, KARLE, POWELL, & GELLMAN (1996) " $\beta$ -Peptide Foldamers: Robust Helix Formation in a New Family of $\beta$ -Amino Acid Oligomers," <i>J. Am. Chem. Soc.</i> 118:13071		✓
		APPELLA, CHRISTIANSON, KLEIN, POWELL, HUANG, BARCHI, & GELLMAN (1997) "Residue-Based Control of Helix Shape in $\beta$ -Peptide Oligomers" <i>Nature</i> 387:381		✓
		APPELLA, CHRISTIANSON, KARLE, POWELL & GELLMAN (1999) "Synthesis and Characterization of trans-2-Aminocyclohexanecarboxylic Acid Oligomers: An Unnatural Secondary Structure, and Implications for $\beta$ -Peptide Tertiary Structure," <i>J. Am. Chem. Soc.</i> 121:6206		✓
		APPELLA, CHRISTIANSON, KLEIN, RICHARDS, POWELL, & GELLMAN (1999) "Synthesis and Characterization of Helix-Forming $\beta$ -Peptides: trans-2- aminocyclopentanecarboxylic acid oligomers," <i>J. Am. Chem. Soc.</i> 121:7574		
		BARCHI, HUANG, APPELLA, CHRISTIANSON, DURELL, & GELLMAN (2000) "Solution Conformations of Helix-Forming $\alpha$ -Amino Acid Homooligomers," <i>J. Am. Chem. Soc.</i> 122:2711		✓
		BLASKOVICH, LIN, DELARUE, SUN, PARK, COPPOLA, HAMILTON, & SEBTI (2000) "Design of GFB-111, a platelet-derived growth factor binding molecule with antiangiogenic and anticancer activity against human tumors in mice," <i>Nature Biotechnol.</i> 18:1065		✓
		BOLM, SCHIFFERS, DINTER, & GERLACH (2000) "Practical and highly enantioselective ring opening of cyclic <i>meso</i> -anhydrides mediated by cinchona alkaloids," <i>J. Org. Chem.</i> 65:6984		✓
AB		BOTHNER-BY, STEPHENS, LEE, WARREN, & JEANLOZ R. W. (1984) <i>J. Am. Chem. Soc.</i> (1984) 106:811		✓

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ADD		BRAUNSELIWEILER & ERNST (1983) <i>J. Magn. Reson.</i> 53:521	✓
		CAMMERS-GOODWIN, ALLEN, OSLICK, MCCLURE, LEE & KEMP (1996) "Mechanism of stabilization of helical conformations of polypeptides by water containing trifluoroethanol," <i>J. Am. Chem. Soc.</i> 118:3082.	✓
		CHIN & SCHEPARTZ (2001) "Concerted evolution of structure and function in a miniature protein," <i>J. Am. Chem. Soc.</i> 123:2929	
		CHUNG, HUCK, CHRISTIANSON, STANGER, KRAUTHAUSER, POWELL & GELLMAN (2000) <i>J. Am. Chem. Soc.</i> 122:3995	✓
		COCHRAN (2000) "Antagonists of protein-protein interactions," <i>Chem. Biol.</i> 7: R85	
		COLUCCI, TUNG, PETRI & RICH (1990) <i>J. Org. Chem.</i> 55: 2895-2903	
		CREIGHTON, T. E. (1993) "Proteins: structures and molecular properties," 2nd Edition, p. 14.	
		CURRAN, CHANDLER, KENNEDY, & KEANEY (1996) "N- $\alpha$ -Benzoyl-cis-4-amino-L-20 proLine: a $\gamma$ -turnmimetic, <i>Tetrahedron Lett.</i> 37:1933	
		DADO AND GELLMAN (1994) <i>J. Am. Chem. Soc.</i> 116:1054-1062	✓
		FISK, POWELL, & GELLMAN (2000) <i>J. Am. Chem. Soc.</i> 122:5443.	
		DEGRADO, SCHNEIDER, & HAMURO (1999) <i>Pept. Res.</i> 54:206	
		GELLMAN (1998) <i>Acc. Chem. Res.</i> 31:173	✓
		GELLMAN (1998) <sup>b</sup> "Minimal model systems for $\beta$ -sheet secondary structure in proteins," <i>Curr. Opin. Chem. Biol.</i> 2:717	✓
		GOMEZ-VIDAL & SILVERMAN (2001) "Short, highly efficient syntheses of protected 3-azido- and 4-azidoproline and their precursors," <i>Org. Lett.</i> 3:2481	✓
		GOODMAN, VERDINI, TONIOLO, PHILLIPS, & BOVEY (1969) <i>Proc. Natl. Acad. Sci. USA</i> 64:444.	✓
ADD		GUNG, ZOU, STALCUP, & COTTRELL, (1999) "Characterization of a water-soluble, helical $\beta$ -peptide," <i>J. Org. Chem.</i> 64:2176.	✓

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ASR		HAMURO et al. (1999) <i>J. Am. Chem. Soc.</i> 121:12200-12201.		
		HANESSION, LUO, SCHAUM, MICHNICK (1998) "Design of secondary structures in unnatural peptides: stable helical $\gamma$ -tetra-, hexa-, and octapeptides and consequences of $\alpha$ -substitution," <i>J. Am. Chem. Soc.</i> 120:8569.		✓
		HANESSION, LUO, SCHAUM (1999) <i>Tetrahedron Lett.</i> 40:4925.		✓
		HERLT, KIBBY, RICKARDS (1981) <i>Aust. J. Chem.</i> 34:1319-1324		
		HINTERMANN, GADEMANN, JAUN, SEEBACH (1998) " $\gamma$ -Peptides forming more stable 10 secondary structures than $\alpha$ -peptides: synthesis and helical NMR-solution structure of the $\gamma$ -hexapeptide analog of H-(Val-Ala-Leu) <sub>2</sub> -OH," <i>Helv. Chem. Acta</i> 81:983.		
		KOBAYASHI, KAMIYAMA, & OHNO (1990) "Chiral synthon obtained with pig-liver esterase-introduction of chiral centers into cyclohexene skeleton," <i>Chem. Pharm. Bull.</i> 38:350-354.		✓
		KOBAYASHI, KAMIYAMA, & OHNO (1990) "The first enantioselective synthesis of fortamine, the 1,4-diaminocyclitol moiety of fortimicin-A, by chemicoenzymatic approach," <i>J. Org. Chem.</i> 55:1169		✓
		LACROIX, KORTEEMME, LOPEZ DOLA PAZ, & SERRANO (1999) <i>Curr. Opin. Struct. Biol.</i> 9:487		✓
		LEE, SYUD, WANG, GELLMAN (2001) "Diversity in Short $\beta$ -Peptide 12-Helices: High Resolution Structural Analysis in Aqueous Solution of a Hexamer Containing Sulfonylated Pyrrolidine Residues," <i>J. Am. Chem. Soc.</i> 123:7721		✓
		LEPLAE, UMEZAWA, LEE, GELLMAN (2001) <i>J. Org. Chem.</i> 66:5629-5632		
		LUO & BALDWIN (1997) "Mechanism of helix induction by trifluoroethanol: a framework for extrapolating the helix-forming properties of peptides from trifluoroethanol/water mixtures back to water," <i>Biochemistry</i> 36:8413		
		MACURA & ERNST (1980) <i>Mol. Phys.</i> 41:95		
ASR		MERRIFIELD, R. B. (1963) "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide," <i>J. Am. Chem. Soc.</i> 85:2149-2154		✓

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ADK		RAGOTHAMA, AWASTHI, BALARAM, (1998) "β-Hairpin nucleation by Pro-Glyβ-turns. Comparison of D-Pro-Gly and L-Pro-Gly sequences in an apolar octapeptide," <i>J. Chem. Soc., Perkin Trans.</i> 2:137		✓
		SEEBACH et al. (1996)* <i>Helv. Chem. Acta.</i> 79:913-941		
		SEEBACH & MATTHEWS (1997) <i>J. Chem. Soc., Chem. Commun.</i> 2015-2022		✓
		SEEBACH, BRENNER, RUEPING, SCHWEIZER, JAUN (2001) "Preparation and determination of x-ray-crystal and NMR-solution structures of γ <sup>234</sup> -peptides," <i>J. Chem. Soc., Chem. Commun.</i> 207		✓
		SUHARA et al. (1996) <i>Tetrahedron Lett.</i> 37(10):1575-1578		✓
		WALGERS, LEE, & CAMMERS-GOODWIN, (1998) "An indirect chaotropic mechanism for the stabilization of helix conformation of peptides in aqueous trifluoroethanol and hexafluoro-2-propanol," <i>J. Am. Chem. Soc.</i> 120:5073.		✓
		WANG, LIU, ZHANG, SHAN, HAN, SRINIVASULA, CROCE, ALNEMRI, & HUANG (2000) "Structure-based discovery of an organic compound that binds Bcl-2 protein and induces apoptosis of tumor cells," <i>Proc. Natl. Acad. Sci. USA</i> 97:7124.		✓
		WOLL, LAI, GUZEI, TAYLOR, SMITH, GELLMAN, "Parallel Sheet Secondary Structur 20 in γ-Peptides," <i>J. Am. Chem. Soc.</i> , in press		✓
ADK		Zutshi, Brickner, & Chmielewski (1998) "Inhibiting the assembly of protein-protein interfaces," <i>Curr. Opin Chem. Biol.</i> 2:62.		✓

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